

QUA • RAE

HERE IS NEWS OF RADIO ASSOCIATION OF ERIE, INC.

VOL. III NO. 6

JUNE 1972

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EDITOR

Robert E. Bair, WA3HDK 725-9226

CONTRIBUTORS

Bernie Alcorn, WA3EZR	725-7409
Mike Hall, WA3HSR	833-9649
Chuck Marross, WA3KAI	455-8829
Chuck Bliley, K3NAU	866-1132
Powell Brown, K3QAY	899-4843
Jim Fitareiter, K3QHO	456-0636
George Dickey, K3VLP	833-7082
Bob Smith, K3WTZ	833-9037
Chuck Smith, W3ZLO	868-3138

ERIE'S FINEST AMATEUR RADIO NEWSBULLETIN

Radio Association of Erie, Inc.
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CHUCK BLILEY, K3NAU
965 ARLINGTON ROAD
ERIE, PA. 16509

WB2HJL Charlie

R.A.E. BUSINESS MEETING MINUTES.....

May 4, 1972

The meeting was called to order at 8:05 PM by President, K3QAY. Officers present: K3QAY, W3ZLO, WA3HSR and WA3EAY. Directors present: K3VLP, WA3KAI, K3UPC W3SN, and WA3HDK.

A round of introductions was held with Al, K8EUR of Ashtabula among the group. The minutes of April 6 were approved as corrected. The treasurer indicated a balance of \$336.92 on hand. A motion to pay new bills was heard from the floor and was carried.

CORRESPONDENCE:

- 1) New US and Foreign Callbooks for the RAE.
- 2) Repeater Bulletin from Wayne Green.
- 3) Newsbulletin from Crawford Amateur Radio Society (CARS) of Meadville.
- 4) Bill from Addressograph/Multigraph for \$10.00.
- 5) Bill from K3NAU for QUA-RAE photos for \$10.00.
- 6) Bill from RNS Printing for QUA-RAE for \$9.50.

COMMITTEES

QUA-RAE - WA3HDK reported that the May issue would be assembled after the meeting. Bob also reported that he would strive to have a Tech Sheet each month and also asked for a renewal of funds from the treasury. A discussion of possible sources of used printing equipment was held since our own machine is nearing the end.

CD - W3KPM reported that despite the failure of the RTTY, the Welfare Test in Albion went well and that the Red Cross was satisfied with our performance. All traffic was sent on 2 meter FM through the repeater and the total registration was around 280 people. W3NFM added that the Red Cross station had good cooperation from local volunteers.

BOARD OF DIRECTORS - K3UPC reported that the repeater, WA3KXD, has been installed in the new transmitter site

and that the repeater committee would be holding an election meeting next Thursday and business meetings every second Thursday thereafter.

ACTIVITIES - The following activities were listed. May 18 - Airport Tour at 8:00 PM in the lobby. June 24, 25 - Field Day at Bliley Electric.

FIELD DAY - K3NAU reported that the RAE would set up in advance again this year and that a meeting would be held on June 9 at 8:00 PM for all those planning to participate. Four operators and loggers for each band was desired. K3VLP moved after some discussion, "that the RAE rent a Port-a-Jon for Field Day." This passed unanimously.

AUCTION COMMITTEE - WA3HDK reported on the financial outcome of this years auction. With a \$50.00 donation to the Church and advertising expenses subtracted, the total profit was \$169.26 or \$56.42 for the three sharing concerns. Bob moved, "that the report be accepted and the RAE make necessary payment disbursements." This carried. It was made known that one door prize -- a subscription for a repeater bulletin -- was not given away. After some discussion, it was moved by K3UPC, "that the subscription be advertised in the Sunday columns and be awarded at the June business meeting." The motion carried.

REPEATER - W3ZLO reported that the receiver site needed a paint party and that the new repeater call sign was WA3KXD. Chuck thanked the party who helped move the transmitter site and reported that about \$100 remained in the committee treasury. K3QHO reported that a few fire extinguishers remained and that the deposit would be made as soon as they are sold. K3VLP moved, "that the Board of Directors investi-

(continued on page 3)

Minutes (continued)

gate the costs of Fire and Theft Insurance for Club equipment." This carried also.

OLD BUSINESS

WA3HDK reported that he had several club bulletins for membership information.

NEW BUSINESS

Upon question by WA3HSR it was reported that WA3MAU, the club property officer has possession of the club gas credit card.

WA3KAI gave a membership summary for the year so far showing that RAE members come from 11 states and now total 118.

A motion for adjournment was heard at 9:24 PM by W3KPM and was carried. There were 18 members and 1 guest present.

Michael D. Hall
Respectfully submitted,
Michael D. Hall, WA3HSR
RAE Secretary

MINUTES OF REPEATER COMMITTEE MEETING
4/22/72

Present: K3WTZ, K3ATZ, WA3HSR, WA3HDK, W3ZLO, K3QAY, K3QHO, and W3AQY.

Location: Receiver site.

Meeting was called to order at 13:25 by W3ZLO. K3WTZ reported on the new sites. Receiver - Equipment in place and working at new receiver site as of April 14, 1972. Some clean up remains to be done and the building must be painted, this will then complete the construction at the receiver site. The UHF receiver for the link to Ashtabula will be taken off line because it is not being used.

Transmitter - The lease with Synthane - Taylor was signed and returned to the club, with one change, that is that a full size door that the club had pro-

posed. However Haysite Division of Synthane -Taylor agreed to pay the extra cost of the full size door. The final arrangements are that Haysite will pay the labor and the club will furnish the materials.

K3WTZ reported that the bid was \$225 for labor and \$50 of materials, not including the door and lock which the club already has. The construction of the door was to have been done on 4-22 but bad weather was predicted and construction was delayed one week.

Treasurer's Report:

Bills paid: \$37.25 J. M. McHenry for delivery of concrete. \$1.00 Bliley Electric for lease. \$69.88 Hamilton Lumber for receiver shack. \$9.00 FCC for license application. \$21.00 Crawford Electronics for splitter preamp. \$40.00 K3WTZ for 146.19 MHz receiver.

Ending Balance \$139.84

K3WTZ submitted the statement for receiver equipment parts and electric service from 1/1/72 thru 4/14/72 for \$56.98 It was moved that we pay \$56.98 to K3WTZ Voted and passed.

K3WTZ moved we pay \$5.00 to Bliley Electric Co. for electricity thru May 1. Voted and passed.

K3QHO submitted a bill for \$9.50 for 3 4x250B tubes purchased at the auction. It was moved that we pay K3QHO \$9.50. Voted and passed.

It was moved we pay K3WTZ \$25.00 for the power supply and parts to rack mount the 146.34 receiver. Voted and passed.

K3WTZ donated approximately \$15.00 miscellaneous expenses during the construction of the receiver site.

Numerous anonymous donations have been made of material required at both the receiver and transmitter sites.

Donations of material and equipment are listed in May QUA-RAE.

(continued on page 4)

Repeater committee (continued)

We wish to thank all people who donated time, materials and money for the construction of the transmitter and receiver sites and equipment.

The license application was submitted to the FCC on 2-29-72. We have received word that the technical prospectus was approved and are awaiting final word from the FCC with our new call.

K3QAY moved that the club finance building of the linear amplifier for the transmitter. The linear will be club property, it will have a pair of 4 x 250 in the final. The club will authorize expenditures of up to \$50 by W3ZLO for construction of the linear. Voted and passed.

It was moved that \$1 be paid to each K3NAU, K3WT2, and W3ZLO for their leases of equipment to the club. Voted and passed.

There are 5 keys to the buildings to be distributed as follows: Keys #4 and #5 to Synthane Taylor and 1 key to each of the FCC authorized control points, which are K3WT2, W3ZLO and K3QAY, numbers 1, 2 and 3 respectively.

These keys should not be duplicated without permission from the club.

A letter was read from K3NAU and discussed.

All members are cautioned not to mention the actual location of the receiver site for security reasons.

K3QAY moved that an election of officers for the repeater committee be held May 11 at 8:00 PM at the Red Cross Building for the remainder of the calendar year 1972. Voted and passed.

Meetings will be held the third Thursday of each month at 8:00 PM at the Red Cross Building.

Jim Fitzreiter K3QHO
Secretary, RPTR. COMM.

PREZ SEZ...

Those of you who missed the May Activity meeting at Erie Airport overlooked an enjoyable and educational tour. If you listen on 162.4 MHz you will hear the new 300 watt weather station's voice of authority.

This issue is devoted to mobile operations and as many of you know I have logged more hours mobile than base. If you are in your car for ½ hour each way to work, or at lunch, you can make many contacts and the trip seems much shorter. I ran 6M mobile for about 5 years using a ½ wave whip and an HA460. If the frequency is high enough you can run a 5/8 wavelength whip and get 3db gain. I am presently using a 2M-GE Progress line in the car. There are mobile XMTR hunts held each month and it is a test of skill to be first to locate the site. It would be nice to have these hunts earlier on Sunday evening and when every one arrives, have a picnic. We could use 10, 6 and 2M to talk in those with food. Anyone care to arrange for this?

73 "B"

73 "Brownie" K3QAY

From the South Waterloo Amateur Bulletin....

It is a sad day in the history of Amateur Radio in Canada as we have lost another portion of our bands due to lack of use. The Kitchener office of the D.O.C. received a letter on Friday, April 28, 1972 announcing that we have lost the 26.96 to 27.0 MHz band. This frequency range has been given to the general radio service and it might be noted that 26.995 MHz has been designated. In addition to the above, there is no longer an age barrier for Amateur Radio in Canada.

(With every service crying for more radio spectrum, the U. S. Amateur faces the same predicament. Anybody out there on 220??? - Ed.)

K3USC - Brian will be helping out Chuck Bliley on QUA-RAE photographs.

1972 FIELD DAY PLANS ANNOUNCED...

Field Day comes but once a year, much like Christmas, we look forward to it very much, but are somehow glad when it is over to think we have 365 days until the next one. Field Day has been with us for a good many years to test our Emergency Capabilities both material and physical.

Memories are those of noisy generators that somehow need to have their oil changed at the most ungodly hour. Hand-held flashlights, temperatures in the forties, and your feet soaking wet from the unusually heavy dew which you never even knew existed at three in the morning. Possibly you might remember sleeping on the back seat of your car all bundled up in an army surplus blanket your wife thought "you just might need." Perhaps breakfast of beer and reheated beans and weiners, and a good days growth on your face itching like h--l, but we proudly answer that we have nearly a thousand contacts total, and there is a realistic chance "we" just might win it!"

It seems as though some of our best memories are of times of hardship of difficulties. Ironical isn't it? Field Day, except in very rare cases, isn't exactly a bed of roses as you can gather, but it does offer a truly unique challenge that can't be matched by any other contest. I guess that is the reason it is the single most popular amateur radio contest today.

This year we are going to try a different location for the sake of convenience and comfort. Field Day will be held in the rear parking lot of the Bliley Electric Company at 2545 West Grandview. The truly unique features of this site are the accessibility, paved parking facilities (no more mud), night lighting (no chance of falling into a hole in the ground), and no searching for the Sears and Roebuck catalog in the middle of the night for that long lonely journey to find a suitably large tree. We have rented a "portajohn" for that!

At the time of this writing, we have reservations in for stations on eighty, forty, and twenty meter phone and six meter sideband. If you think you would be interested in undertaking the challenge on one of the other bands, by all means give me a call at home. As in every field day there will always be a need for log keepers as well as operators. In an operation such as this where the number of contacts could run into the hundreds on each band, accurate logkeeping is a must, and equally as important as the operators themselves.

Other than the specific rules given by the ARRL, the following will apply. Deadline for reservations of stations is at 8:00 PM on June 9th, at a meeting to be held at the field day site. At this meeting assignments of operating location and antenna sites will be given with proper consideration given to individual needs for an effective stations. In addition, please have at least four people lines up to act as operators and loggers (four total) for your station. Field day is a demanding contest on both operators and equipment. It seems as though operators give out sooner than the equipment (other than were Murphy's law prevails) and the more people you have to do the job the easier it becomes not to mention the more pleasant it will be. We have also decided to allow set-up in advance, and operate only the first twenty-four hours of the contest. You can set up Friday night if you like, to work out some of the last minute bugs.

Outside of those few points that is about all that I can say about field day, except that it is the most exciting thing in amateur radio which happens annually in which everyone can participate anywhere in the whole country. If you would like to see the action, by all means stop out and visit, better still, come and participate. You will be welcome any time of the day or night.

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Field Day (continued)

Good times and nice people made for are essential ingredients for pleasant memories. 73 and hope to see you there.

Charlie K3NAU

REPEATER COMMITTEE REPORT

As of this writing the moving of the WA3KXD Repeater transmitter to the top of the Sythane Taylor Building on Perry Highway is history. The event took place on May 7, 1972. This repeater is not only the first fully operational amateur repeater in Erie but is also the largest project undertaken by any Local Radio Club. It is the result of hundreds of man hours of several club members not to mention the donations or leasing of materials totaling upwards of \$2,000.

One of the largest contributions made to the repeater committee for this project was that of Sythane Taylor Corporation Haysite Division. Mr. H. H. Clemens, President of the Haysite Division, along with Roger Lincoln and Richard DiRienzo agreed to pay the full \$225.00 labor, quoted for installation of the entrance door to the transmitter site. This major contribution allowed the door to be installed by professional brick layers. Believe me if this job wasn't undertaken by professionals we would still be sawing brick and of course the transmitter would not be operational today. So if any of you happen to know or meet anyone associated with Sythane Taylor Corporation help pass along our sincere thanks for their generosity.

The repeater also proved again its usefulness and dependability during the C.D. drive out. I won't steal someone else's thunder here but I would like to inform all the readers of the QUA-RAE that 100 messages were handled thru the repeater in one hour with solid arm chair copy and free of any QRM.

During my trip to Indian Lake, Ohio this last weekend I had the privilege of working several repeaters the most sophisticated being the 16-76 machine in Columbus, Ohio. It had automatic time

announcement which triggered when the input signal dropped for more than 10 seconds thus you just signed your "call letters" and "in," or "clear" and nothing else. It also had auto patch which seemed handy for twisted pair communications. If you travel thru Ohio don't forget to take your 116-.76 and .28-.88 rocks. Of .52-.52 is now simple along with .94-.94.

I was glad to see a turnout of 19 people at the first regular meeting of the repeater committee the 11th of May. It will be the second Thursday of the month. The elections of officers was held with the following elected: K3QHO, Jim Fitgreiter, Secretary; K3ATZ, Chuck Lewis, Treasurer; K3WTZ, Yours truly, Chairman.

Two appointed posts were approved by the committee to be appointed by the Chairman. Council Delegate and Grounds Keeper.

I have appointed Chuck Bliley, K3NAU, as Council Delegate and will appoint the Grounds Keeper by the next meeting.

I would like to take this opportunity to thank all of you for my election as the Repeater Committee Chairman and hope I can give this up and coming committee the proper leadership it deserves. Again I say thank you.

K3WTZ, Bob Smith
Repeater Committee Chairman

STRAYS

WA3COS - Dave, now graduated from Carnegie-Mellon, has landed a job with Westinghouse in Pittsburgh. Good luck Dave.

K3WTZ - Bob has been procured as the assistant EC on 2 meter FM. Also new repeater committee chairman.

K3VBF - Lowell is the new assistant EC on ten meters.

K3NAU - Chuck attended the Dayton Hamvention and will be looking for more riders next year.

COM. TRUCK Needs Modernization

After reviewing the RAE Com Truck facilities, George, K3VLP and Mike, WA3HSR, who were appointed to head a mobile activities Committee have come up with some ideas on improving the mobile facilities in the truck. As of now it is literally impossible to take the truck mobile and operate, unless you have a battery powered portable with you. A rack should be mounted on the truck for carrying a portable 2½ kw generator, rather than towing the big 10 kw. This could be run easily while under motion and provide power for the rigs.

The vertical with the tuned coil on the truck is forever causing problems. A complete set of hustlers is the best bet for the truck. This would allow complete mobile operation and improve our emergency capability 100%. As of now we must stop and put up a dipole or other antenna to get out. This should not be necessary on a vehicle such as ours.

For portable operation, the club should have a good tri-band beam for use. This antenna could be used on all club sponsored activities such as DX contests, FD, Driveouts and Sets and would certainly prove valuable in any emergency where portable operation would be a possibility.

Other immediate needs for the truck include prompt installation of the two meter rig, more lengths of coax, extension cords, and lengths of rope. The rope and coax is presently being used on the ten meter beam at the EOC and if this is to remain there, more will be needed. We should keep a good supply of them anyway.

There are probably other improvements that can be made and these will probably become evident as work is done. A discussion on these recommendations will be coming up soon at an RAE business meeting. If you have any recommendations or ideas, bring them up. We'll need support and help in preparing your com truck for reliable emergency communications.

Michael Skell

SOME THOUGHTS ON MOBILE OPERATION...

Mobile operating is a lot like eating your favorite food -- once you get that first bite, you can't get enough of it. Traveling with a rig in the car has its obvious advantages of being there in time of need in emergencies, but can also serve to relax you and help pass the time of day. All of my mobile operations have been on 75-10 meters SSB and has covered most of the country. In reviewing my plight, I would like to pass along some tidbits that might help make your mobile trip a little more enjoyable.

After you are sure that your DC power supply is in working order, it is time to pick out a good antenna for the car. I would recommend a set of single band resonators (Hustlers or similar) and definitely a good, strong bumper mount. The steel strap type has worked best for me and I have heard of the chain type snapping under stress. After getting the resonators, it is necessary to tune them to a particular frequency. If you intend to roam much on the bands, there may be a problem with SWR. The best solution is to pick out a certain frequency on each band where most of your operations will take place; either a service net such as EAST CARS, a county hunter net, or just a frequency where you'll be calling and listening for the hams back home. Ignition noise in the rig has never been a problem for me but others have not been so fortunate. Resistor plug wires, ground bypasses off the coil and voltage regulator, and even grounding your tail pipe may help eliminate some of this troublesome noise. When taking long-haul trips, it is also important to route the wires in the car so they don't interfere with either the passenger or driver. I have also found that rough roads can cause some "FMing" in the rig, but a well placed pillow underneath the rig can help eliminate this. Of course, this is only a help when the rig is not mounted permanently in the car, as in my case. Logging is an important chore. If a capable sidekick is riding shotgun, you will have few problems, but if you are alone and

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Mobile Operation (continued)

operating the rig, a system may have to be devised. While zipping along the highway, you shouldn't be switching frequency or scrawling into the small space of the log. Keep a sheet of paper mounted on a clipboard on the dash or beside you on the seat, and write the necessary information on big letters. It would be advisable to practice this technique before the trip. The material can be entered later. A good habit is to set your watch to GMT so you won't have to be worrying about converting the time in the log.

(New regulations permit mobile operators to log only their time of beginning mobile operation and the time of closing plus the calls of the stations worked.)

Operating mobile can be both a hindrance because of low power and noise, but is really an asset when you sign mobile. The other fellow will usually pick up the mobile first. Remember when signing on the air to give your call as "WA3HSR Mobile 8," or, "WA3HSR Mobile 3," Even if you are in your home call area, sign the "Mobile 3" to satisfy the FCC requirements. When taking a long trip, be sure to notify the FCC offices in the districts you'll be operating in as well as your home office in advance. Break-downs of equipment are bound to occur and usually on a Sunday in the middle of nowhere. It is advisable to carry your manual, replacement tubes and small parts, and a VOM. After having the mobile going for most of the trip, it sure gets quiet if the rig goes out. (Mike knows well... It happened to him on the west coast last summer--Ed.)

After that first trip with the rig, you won't take another without it. I hope these experiences and suggestions may help you if you are planning on a trip soon. Whatever, have fun mobiling and ask the other guy his problems, and you are bound to enjoy yourself. 73

Mike, WA3HSR

W3HLM - Don has obtained his advanced status and is awaiting his ticket at this time.

MOBILE NETS Provide Exciting Travel

When deciding on a frequency for your mobile antenna, look into some of the mobile service nets on the different bands as well as other nets who use mobiles and it may give you a start. The Independent County Hunters New on 3930 and the CHC/FHC (Certificate Hunters Club/Flying Hams Club) Service Net on 3943 are good for 75 meters at night (after 9 PM). Both nets are prime hunting grounds for county hunters and if you are traveling, note the counties you will be going through and put them on the air for others. You'll be helping them to qualify for various awards. The county hunters are a very considerate group of hams who respect the frequencies and are a credit to the hams. You will get SASE for QSLs and may even qualify for an award yourself. So remember these two nets for evenings. On 20 meters the Independent County Hunters Net meets from about noon on on 14.336 MHz. The same holds true for this net, as it did for those on 75 meters. You will really feel like rare DX on these nets.

The regional service nets of EAST CARS, MID CARS, and WEST CARS are the best bet on forty. The east and west nets are on 7.255 daily while MID CARS operates at 7.258. These nets are on from early morning until band conditions force them to close and are set up as a service for mobiles. You can make schedules, report emergency road and traffic conditions, and get signal reports from these nets. A visit to these nets will also prove worthwhile and interesting.

The other bands are somewhat less populated by mobile nets and these mentioned are my favorite. An ARRL Net Directory might be nice to carry along on your trip for variety.

K3VLP - George reports a successful meeting of the Pennsylvania Fone net at Sanburg, PA on May 6, PFN meets weekdays at 5:30 on 3960 local and needs Erie checkins.

W3MED'S "B" BOX
or
"INSTANT MOBILE"

Back in the Fifties, Ken Milks built an interesting transceiver he called a "B" Box. This consisted of a complete crystal controlled A.M. rig and a tuneable receiver in a small box about one foot cubed. What makes this memorable is that it had a built-in vibrator power supply which was energized by plugging into the cigar lighter of the car for the D.C. (6 volts) source while placing the transceiver on the seat along side the driver.

The antenna was a neat, readily installed, center-loaded short quarter wave radiator which could be installed by rolling down the rear window just enough to hold the antenna mount made of three pieces of fiberboard fastened together so that the outer two pieces projected down over each side of the window while the center piece would project upward into the slot that usually accepted the window top when the window was fully closed. By cranking the window up as tightly as it would go, the antenna was rigidly in place. An alligator clip was clipped onto the rain gutter and a gutter and a quarter wave against ground was provided.

About ten minutes was need to install the "B" Box in a car and it was ready for mobile operation. Ken had the unit equipped with an earphone and head mounted mike so that the driver's hands were free for driving and tuning.

The unit really worked. Ask W3WDK who borrowed it from Ken to use on a trip to a hamfest in Pittsburgh. He enjoyed several longhaul QSOs going down to Pittsburgh and quite a few short range QSOs with other mobiles after the hamfest broke up.

That wonderful idea of W3MED's would go great today with a 2 meter F.M. transceiver replacing the old "B" Box. How about it, Ken? Are you tempted to up-date your old Brain Child?

EVERY AMATEUR SHOULD BE A MOBILEER by George Dickey, K3VLP

Did you ever want to be able to "bust" into a DX pile-up or to come out ahead on that 75- or 20-meter rag chew? You say it's no use without a kilowatt?? That's where you are wrong, fellow ham! All you have to do is add that magic word—Mobile—after your call. It seldom fails.

I have had the pleasure of working 49 states while mobile on 75 meters. Forty-six of these states were worked between 9 P. M. one evening and 5 A. M. the next morning. Needless-to-say it was not done with a California Kilowatt and Phased dipoles at 150 feet. I presently use a TR-4 on both CW and SSB (yes you can work CW mobile) on 80 through 10. I also use a HA410 on 10-meters AM. The antenna is a center loaded Hustler Mobile whip.

I havent always had a rig as good as the one I use now, but sometimes the joy was even greater. Imagine working Frank, EX1EEL on 10-meter AM, using an old regen CB rig that had been retuned (peaked only) on 29 Mhz. My antenna was also an old CB whip that had been cut off for 10 meters. Frank said that the signal was as good as that from home.

How many miles that otherwise would have been lonely and nonotomuous were made more pleasant with the company of a mobile rig is hard to estimate. Just reading the mail and knowing that there was someone around to help if needed is a big comfort. Stop and think for a moment. Can you think of any really bad emergency in which ham radio was to play a part; or when mobile equipment was not the mainstay of communications for government, releif and news services?

In the last few years thare has been very little in the way of local mobile effort, in Erie, although it is increasing on 2-meter FM. I feel that it is mainly the fact that the local hams are too self-centered to put up half the effort that the CB'ers do. So, the CB'ers have made great inroads into the mobile public service effort. They even brag about their "black boxes" and "secret weapons"

There are always used CB rigs for sale--some for the price of a mike or a chunk of coax--that will get you on 10 meters mobile for local preparedness. Every so often, they'll even net you a very pleasant, enjoyable skip QSO. A little more effort will put most of your SSB transcievers in mobile service and then you can start enjoying modulated air conditioners, ignition noise (the other guy's, of course), low trees, 7-foot underpasses, parking garages with florescent lights, AND, EVERY SO OFTEN, that very great reward--that rare DX one saying, "all stations stand by. QRZed the mobile."

S.S.B. Sale, Swap, Buy

FOR SALE: Heath HW-100. Gud condx with A/C supply. \$225. Also have a Six meter, 6-elementwide-spaced beam. WA3PJL. 866-2579.

FOR SALE: Best offer over \$200. Mosley TA-33 beam, Ham-M rotater, and 36' Spaulding tower. Come and get it! W3AQY. 456-8948.

FOR SALE: Hy-gain Thunderbird 3-element beam, 10-15-20-meters, 75' RG-8U, \$50. Also Gonset G-50 6-meter transciever, \$100 or best offer. WA3HSR, 833-9649.

WANTED: Heathkit scope. Must be reasonable. WA3PJL. 866-2579.

MORE STRAYS

WA2BCA - Richie reports working Memphis, TE on 6-meters on the evening of May 3.

WA3EZR - Bernie was involved in an auto accident on April 15 at Leeper. Extensive damage to both cars but no serious injuries.

OUT OF THE 8 hams Bernie contacted to submit STRAYS, not one turned in anything. Could it be nobody out there does or knowes anything???

K3QHO - Jim reports that all fire extinguishers have been sold and the committee profit of \$60 will be deposited to the comittee's account.

WA3HDX - Congrats to Bob and the entire auction committee for a job well done. Thanks go to all those who helped--ED.

WA3HSR - Mike reports over 15,000 people attended the moon rock display. Many local hams among the group

"BROADBANDING" your Hustler

By GEORGE Dickey - K3VLP

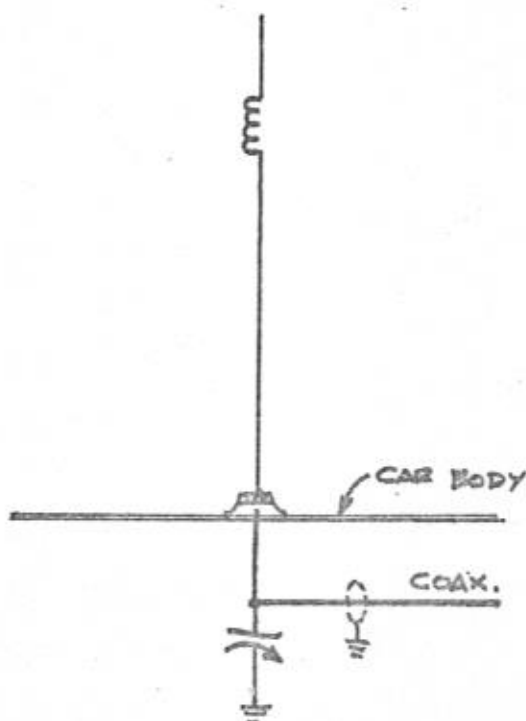
While comparing specs. on the MOSLEY Mobile Antenna, and the NUTRONICS "Hustler", I found that the MOSLEY Antenna was much more broad banded. I also noticed that the MOSLEY used a fixed capacitor that was switched in for use on 80 - 40 and 20 Meters.

I decided to try and use a variable capacitor at the base of my "Hustler" using an old transmitting capacitor from my junk box.

After tuning for maximum output on 3950 Khz., I found that I could operate from 3930 to 3975 Khz. without retuning the rig. I might also point out that with reduced output I could also operate from 3700 Khz. to 4000, with still fair reports from others, and once again without retuning the rig. or antenna.

There was no improvement noticeable on 40 or 20 Meters with the Hustler, however, all reports on 75 Meters indicated that the signal strength was very much improved.

I enjoy the strange and inquisitive reactions of others that I have talked with, especially when I sign my call as K3VLP "Mobile". Most people just think I am operating from my base.



• JUNE 1972 •

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1 RAE Business Meeting	2	3 RHODE ISLAND "QSO" PARTY
4 NETS 6-10 MTRS. R.I. "QSO" PARTY	5	6	7	8 RAE REPEATER MEETING	9	10 VHF QSO PARTY
11 NETS 6-10 MTRS. VHF "QSO" PARTY	12	13	14 FLAG DAY	15 QUA-RAE ARTICLES DUE	16	17
18 NETS 6-10 MTRS. XMITR HUNT	19	20	21	22 NO PROGRAM MEETING THIS MONTH	23	24 ARRL FIELD DAY
25 NETS 6-10 MTRS. ARRL "FD."	26	27	28	29	30 QUA RAE MAILED	

THE FINAL FINAL

Well, we blew another one! Guess you know this issue is a little late. Sorry! So many things went wrong that it would take a whole new page to tell it like it is. Essentially, what happened, though, is that some late submissions played hob with my typists (and my) schedule, making it impossible to get the paper out and finish up the end-of-school routine, too. YOU KNOW who came out on the short end of the stick on that one. My typist has resigned—not because the articles were late, but because she took a full time job. Been looking for a new one. Any ideas??? Also, we are still having trouble with the press. I have purchased a new (used one) with my own funds and will have to overhaul it before running off next month's paper.

The club continues to progress nicely. The Board has re-revised the old by-law proposal and will get it out ASAP. Take a close look at it and do what you can to see that it is passed. The board would like to have your comments, of course. All of you are encouraged to take a more active part in your club. Volunteer—don't wait to be asked. 73 till next month . . .

Bob

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